

Appl. No. 09/993,843
Amdt. Dated October 6, 2005
Reply to Office action of July 14, 2005
Attorney Docket No. P11048-US1
EUS/J/P/05-1264

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1-26 (Cancelled)

27. (Currently Amended) A resource handler for use in an operational support structure for managing a telecommunications network, the resource handler comprising a service and resource database arrangement containing information regarding network resources, wherein the database arrangement is structured so that each resource in the network has a time of existence as well as a place in a hierarchy of parent/child relations, and each resource being defined by data comprising:

a point identifier that has characteristics associated to it, representing an abstract description of the resources capabilities;

an abstraction of a common network element represented by a group of points that are considered to belong together; and

a connection being defined by two connected points;

wherein the database arrangement is structured so as to model a usage view, which includes what resources are combined to form a complete service instance and the time when that service instance exists.

28. (Previously Presented) The resource handler according to claim 27, wherein the point identifier also has characteristics associated with it in the form of a list of label/value pairs.

29. (Previously Presented) The resource handler according to claim 27, wherein the common network element acts as a container for points, with an implicit characteristic that points on elements may cross-connect.

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30. (Previously Presented) The resource handler according to claim 27, wherein the database arrangement is structured so as to model a topological view.

31. (Previously Presented) The resource handler according to claim 27, wherein the database arrangement is structured so as to model a time view.

32. (Previously Presented) The resource handler according to claim 27, wherein the database arrangement is structured so as to model a hierarchic view.

33. (Previously Presented) The resource handler according to claim 27, wherein the database arrangement is structured so as to model a characteristic view, which includes a list of characteristics of each resource.

34. (Cancelled)

35. (Previously Presented) The resource handler according to claim 27, wherein the database arrangement structure is integrated in a data model for enabling control of each resource and the use of it in service instances.

36. (Previously Presented) The resource handler according to claim 27, wherein the database arrangement is separated into a first database comprising resource types and resource instances and a second database comprising service types and service instances.

37. (Previously Presented) The resource handler according to claim 27, wherein resource and/or service attributes are typed to distinguish between attribute types.

38. (Currently Amended) A method of structuring information in a resource handler database for use in an operational support structure for managing a

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telecommunications network, the support structure comprising a service and resource database arrangement containing information regarding network resources, the method comprising the steps of:

allocating to each resource in the network a time of existence as well as a place in a hierarchy of parent/child relations; and

defining each resource by associating data comprising:

a point identifier that has characteristics associated with it representing an abstract description of its capabilities;

an abstraction of a common network element represented by a group of points that are considered to belong together; and

a connection being defined by two connected points;

wherein the database arrangement is structured so as to model a usage view, which includes what resources are combined to form a complete service instance and the time when that service instance exists.

39. (Previously Presented) The method according to claim 38, wherein the characteristics associated with the point identifier include a list of label/value pairs.

40. (Previously Presented) The method according to claim 38, wherein the common network element acts as a container for points, with the implicit characteristic that points on elements may cross-connect.

41. (Previously Presented) The method according to claim 38, wherein the database arrangement is structured so as to model a topological view.

42. (Previously Presented) The method according to claim 38, wherein the database arrangement is structured so as to model a time view.

43. (Previously Presented) The method according to claim 38, wherein the database arrangement is structured so as to model a hierarchic view.

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44. (Previously Presented) The method according to claim 38, wherein the database arrangement is structured so as to model a characteristic view.

45. (Cancelled)

46. (Previously Presented) The method according to claim 38, wherein the database arrangement structure is integrated in a data model for enabling control of each resource and the use of it in service instances.

47. (Previously Presented) The method according to claim 38, further comprising the steps of:

separating the database arrangement into two separate databases, and
keeping resource type data and resource instance data in one of said separate databases, and

keeping service type data and service instance data in the other of said separate databases.

48. (Previously Presented) The method according to claim 38, further comprising the steps of:

assigning types to resource and/or service attributes, and
using said attribute types to distinguish between different types of attributes.

49. (Previously Presented) The resource handler according claim 27, wherein the resource handler is a service type handler in an operational support structure for a telecommunications network, for creating and maintaining service type recipes and their relations.

50. (Previously Presented) The resource handler according to claim 49, wherein the service type recipes provide a framework for service types, operations on service types, parameters on service types, hierarchical relations between service

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types, hierarchical parameter relationship, and translation of service types and associated parameters values into resource requirements and service type requirements.

51. (Previously Presented) The resource handler according to claim 49, wherein the resource handler supports selecting between different types of required services, different types of required resources and different service instances.

52. (Previously Presented) The resource handler according to claim 51, wherein the selected resources requirements are transferred to a resource handler that does the actual resource allocation.

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